

ABSTRACT

The present invention relates to a network communication system and method to enable the real time buying and selling of electricity generated by fuel cell powered vehicles between a fuel cell powered vehicle and a consumer. The method comprises: providing connections to the vehicle for the supply of a fuel and for transfer of electricity; determining the current cost of fuel and price paid for generating electricity; based at least on the cost of fuel and price paid for generating electricity, determining whether to make the fuel cell powered vehicle available for generation of electricity; when fuel is consumed by the vehicle and electricity generated by the vehicle, collecting data on the quantity of fuel consumed and amount of electricity generated, calculating the cost of the fuel and the value of the electricity generated, providing a debit charge for the cost of fuel consumed and a credit charge for the value of electricity generated. A method to enable the real time buying and selling of electricity generated by fuel cell powered vehicles between an energy service provider and a consumer of electricity is also disclosed.